

City of Boca Raton

Code Compliance Division/Building



CITY HALL • 201 WEST PALMETTO PARK ROAD • BOCA RATON, FLORIDA 33432-3795 • PHONE: (561) 393-7930 FAX (561) 367-7049

Expedited Plan Review Submittal Form; Commercial Projects

Electrical

Project No. Project Name: Address:	
Owner: Address: Phone:	
Contractor: Address: Phone: Contact:	
Electrical Engineer of Record: Address: Phone: Contact:	
<input type="checkbox"/> High-Rise <input type="checkbox"/> New Construction <input type="checkbox"/> Interior Renovation; Circle Appropriate FEBC Alteration Level: 1, 2 or 3 <input type="checkbox"/> Private Provider [Check Box if Private Provider Plan Review]	

Definition of Symbols used in this Form:

OK – Information Provided on Plans

S – Supplemental Information Attached for Review

N/A – Information Not Applicable for this Project

Please complete and submit this form, along with the permit set of drawings to the Boca Raton Building Department for “expedited” plan review. This form is an interactive “Word” document that allows entries and comments to be made directly to the form. The boxes automatically expand if more room is needed for design professional commentary.

Design Professionals are requested to respond to each item under “Required Information” by indicating whether the information for each item is “Provided on Plans” (OK), “Attached for Review” (S) or “Not Applicable” (N/A); and, provide “Location Information (with Commentary as needed)”.

The *Expedited Plan Review Submittal Form* establishes a means whereby Plan Examiners can readily evaluate, identify and determine that plan features are in compliance with applicable 2010 Florida Building and all state and local building codes and ordinances. This form is in accordance “*Minimum Plan Review Criteria for Buildings*”, Section 19-113, of the Boca

Raton Code of Ordinances and serves to mitigate potential plan review comments, reduce the need for 2nd reviews and expedite permit issuance.

Required Information [Per the 2010 Florida Building and Mechanical Codes &, 2008 NFPA-70, The National Electrical Code]	OK, N/A,S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Electrical		
Main Electrical Room Layout (working clearances, 2 exits, rated walls)		
Switchgear (manufacturer, voltage ratings, amperages, wiring, grounding and bonding)		
Panel Schedules (manufacturer, voltage ratings, amperage, circuit numbers, load descriptions, overcurrent protection, conductor sizes and types)		
Subpanels [(common areas and residential units) manufacturer, voltage ratings, amperage, bonding]		
Grounding (presence of visible supplemental grounding connections in the electrical room)		
Bonding (method of bonding swimming pools, spas, fountains)		
Emergency Power Source ; Generator (specs, manufacturer, voltage, amperage, 1-hr rated location, distance from switchgear, wiring)		
Transfer Switch and Panel (manufacturer, voltage, amperage)		
Residential Outlet Layout (ground fault protection, arc fault protection)		
Smoke Detection (per NFPA 72, inside and outside of bedrooms)		
Building Fire Pump (specs, electrical wiring, circuits, emergency wiring)		
Fire Control Centers (indicator lights, circuits marked red)		

Electrical Riser Clarifying		
Load Calcs & Balancing		
Required Information [Per the 2010 Florida Building and Mechanical Codes &, 2008 NFPA-70, The National Electrical Code]	OK, N/A,S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Conductor Types & Sizes		
Conduit Types & Sizes		
Voltages of System		
Phases of System		
Transformer Sizes and Types		
Maximum Available Fault Current		
Grounding Methods & Grounding Conductor Sizes		
Main Overcurrent Protection (exterior main disconnect& location)		
Let Through Current (RMS)		
Busbar Bracing & Protection		
Number of Service Disconnects		
3-Hr Rated Transformer Vault		
Elevator Wiring (shunt trip, smoke detector in shaft, pit wiring, machine room layout)		
Fixture Schedule Clarifying:		
Fixture Schedule (symbol schedule)		
Emergency Lighting Fixtures		
Fire Alarm Strobe & Candela		

Mounting		
Voltage & Amp Load		
Clearance from Building Components(ICC rated fixtures, insulation and combustibles)		
Required Information [Per the 2010 Florida Building and Mechanical Codes &, 2008 NFPA-70, The National Electrical Code]	OK, N/A,S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Electrical Layout Clarifying:		
Electrical Floor Plans (for each floor, alarm strobes, emergency lighting locations, receptacles, fire alarm wiring)		
Reflected Ceiling Plans (lay-in lighting 4-corner supports independent of ceiling grid supports)		
Roof Plan		
Circuit Numbers		
Conduit Fill		
Approximate Fixture Locations		
Special Ambient Temperature Conditions (provide temperatures & derating of wires)		
Voltage Drop Calculations		
Occupancy Sensors		
Exterior Lights; Timer Clock & Panel		
Main Electrical & Meter Room		
Site Plan		

Location of Exterior Electrical Clearances of Overhead Conductors		
Finished Burial Depths (yellow warning tape)		
Final Grade Elevations		
Design Flood Elevation		
Lightning Protection System Riser Diagram		
Required Information [Per the 2010 Florida Building and Mechanical Codes &, 2008 NFPA-70, The National Electrical Code]	OK, N/A,S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Specifications for Overcurrent Devices		
Breakers		
Inverse Time or Instantaneous		
HACR		
AIC Rating		
Fuse Type		
Non-time Delay or Dual Element		
AIC Rating		
Ampere Ratings		
Specifications for Motors		
Motor Types & Duty Class		
Code Letter		
Full Load Ampere Ratings		
Voltage & Phase		

Overload Protection		
Disconnect Type & Location		
Communication Systems		
Low Voltage Floor Plans		
Low Voltage Room Locations (data/telephone/cable, cctv)		

The plans were reviewed and to the best of my belief; and as indicated on this form, comply with the 2010 Florida Building and the 2008 National Electrical Codes, NFPA-70.

Signature & Seal of Electrical Engineer of Record

Seal